



DEPARTMENT OF THE NAVY

COMMANDER
NAVY REGION HAWAII
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Mr. Richard Takaba
Hawaii State Department of Health
Environmental Management Division
Solid and Hazardous Waste Branch
Underground Storage Tank Section
919 Ala Moana Boulevard, Room 212
Honolulu, HI 96814

Dear Mr. Takaba:

SUBJECT: RED HILL TANK COMPLEX
JANUARY 2013 GROUNDWATER MONITORING REPORT
FACILITY ID NO. 9-102271 / RELEASE ID NO. 99051, 010011 AND
020028

Environmental Science International, Inc. (ESI) collected Groundwater samples from five wells at the Red Hill Fuel Storage Facility on January 28 and 29, and February 4, 2013. The groundwater samples were analyzed for petroleum constituents.

Analytical Results

Laboratory analytical results indicated that TPH-d was detected in the groundwater beneath the Facility at a concentration that exceeded the DOH Drinking Water EAL for Human Toxicity and the DOH Groundwater Gross Contamination EAL. TPH-d was detected at a concentration of 1,700 ug/L in monitoring well RHMW02. The DOH Drinking Water EAL for Human Toxicity for TPH-d is 190 ug/L. The DOH Groundwater Gross Contamination EAL for TPH-d is 100 ug/L. The Site-Specific Risk Based Level (SSRBL) for TPH-d is 4,500 ug/L.

TPH-g and PAHs (1-methylnaphthalene, 2-methylnaphthalene, and naphthalene) were also present in monitoring well RHMW02 at concentrations above the DOH Drinking Water EALs for Human Toxicity and the DOH Groundwater Gross Contamination EALs. No other chemicals of potential concern (COPCs) were detected at concentrations above the DOH EALs.

Current Groundwater Status

The groundwater monitoring wells were assessed monthly for the presence of free product. No free product was observed.

According to the January 2008 (revised December 2009) Red Hill Bulk Fuel Storage Facility Final Groundwater Protection Plan, the Red Hill monitoring wells are assigned to the following categories.